

AMENDMENTS TO THE CLAIMS:

This listing of claims will replace all prior versions, and listings, of claims in this application:

LISTING OF CLAIMS:

Claims 1 to 7. (Canceled).

8. (Currently Amended) A fuel injector comprising;
a valve needle;
an armature forming an axially movable valve part together with the valve needle;
a restoring spring acting upon the armature;
a magnetic coil cooperating with the armature;
a valve-seat body;
a valve-closure member, which forms a sealing seat with the valve-seat body, being provided on the valve needle; and
a valve sleeve surrounding the armature and the valve needle, a wall thickness of the valve sleeve varying across its axial extension;
wherein the wall thickness of the valve sleeve decreases in a discharge direction of the fuel in order to limit noise emissions;
wherein a radial cross section of the valve sleeve decreases between an inflow-side region and a discharge-side region on a collar which also separates the inflow-side region having greater material strength from the discharge-side region having lower material strength;
wherein the radial cross section and the wall thickness of the inflow-side region are constant from the collar to an inflow-side end of the valve sleeve;
wherein the decreased radial cross section and the decreased wall thickness of the discharge-side region are constant from the collar to a discharge-side end of the valve sleeve, the discharge-side end of the valve sleeve disposed axially beyond the valve-closure member; and
wherein the inflow-side region of the valve sleeve is formed in one piece with a supply pipe.

Claim 9. (Canceled).

10. (Previously Presented) The fuel injector according to claim 8, wherein the wall thickness of the valve sleeve is about 0.5 mm in an inflow-side region.

Claims 11 to 13. (Canceled).

14. (Previously Presented) The fuel injector according to claim 10, wherein the wall thickness of the valve sleeve is about 0.3 mm in a discharge-side region.

15. (New) A fuel injector comprising;
a valve needle;
an armature, the armature and the valve needle together forming an axially movable valve part;
a restoring spring acting upon the armature;
a magnetic coil cooperating with the armature;
a valve-seat body;
a valve-closure member disposed on the valve needle, the valve-closure member forming a sealing seat with the valve-seat body; and
a valve sleeve surrounding the armature and the valve needle,
wherein
a wall thickness and a radial cross section of the valve sleeve decrease between an inflow-side region and a discharge-side region on a collar, the collar separating the inflow-side region from the discharge-side region, and
an intake pipe is inserted into the valve sleeve in the inflow-side region, the intake pipe extending axially beyond the valve sleeve in an intake-side direction.

16. (New) The fuel injector of claim 15, further comprising:
a filter element pressed into the valve sleeve.